



Environmental Data Cube Support System

**EDCSS Tutorial
Jan 2014**



Storefront



Environmental Data Cube Support System

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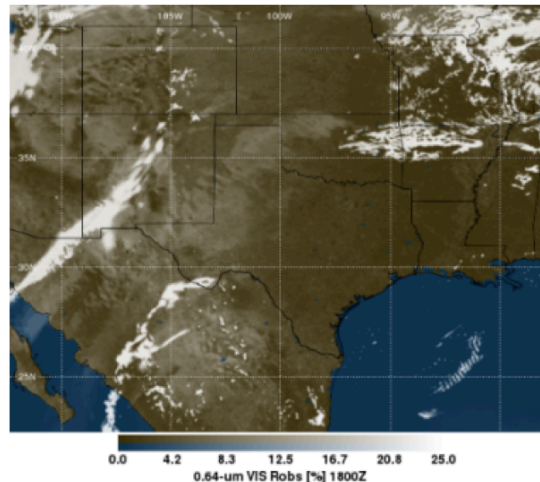
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The Environmental Data Cube Support System (EDCSS) is a DoD sponsored program to provide a consistent suite of environmental products for the modeling and simulation (M&S) community. EDCSS Products -- including data, imagery, effects, and text messages -- are developed for ingest by the simulation systems as well as the applications and staff supporting the simulations. View the [EDCSS Brochure](#).



EDCSS 5-km Synthetic Satellite Image Sample

The EDCSS centralizes the definition, production, and distribution of all products to ensure all participants in M&S events have a correlated view of environmental conditions and their impact. All EDCSS products are generated from an underlying consistent environmental scenario that is developed by searching historical archives for relevant conditions and leveraging DoD operational models and authoritative data sources to produce an integrated environment representation.

Front page to end-user:

- **Login/Request account**
- **Product Gallery**
- **Sample Sites**
- **Papers & Briefs**
- **Documentation**



Welcome Page

Select **Projects** tab to get started

Projects

Product Groups

Products

Resources

Welcome to EDCSS!

- The process to define a project will take approximately 15-20 minutes.
- If you encounter any problems, click the Page Assistance button in the top-right corner on any tab to view more information or request support.
- To get started, go to the Projects tab.



Project Page

Select **Create** button to start a new project

Help is available on every page

Environmental Data Cube Support System

Projects | Product Groups | Products | Resources

Create

Projects

- Click 'Create' to define a new Project.
- Click on a Project's name to view the Project's details.
- Click 'Show All Projects' to see all Projects by other users in the same User Groups.

Show all Projects in my User Groups: ☐

Name	Description	Request By Date	User Group	Requester	Status
OneSAF Example	Example project with OneSAF	2014-01-04	AFWA_Training	Training, AFWA User One	Complete

Users can see only their projects or all projects in their User Group



Creating a Project

Every project requires a name (no spaces) and a brief, plain-language description

Environmental Data Cube Support System

Projects Product Groups Products Resources

List Page Assistance

Create a Project

- Fields marked with an asterisk (*) are required.
- Supply a name and description for the new Project. Choose to completely define a new project or copy an existing one. A copied project can be modified later, if needed.

*Name:

*Description:

Creation Method

☒ Define a new Project

☐ Copy an existing Project:

Cancel Next



Basic project information

Most contact information flows from the user profile though an alternate POC can be identified.

Environmental Data Cube Support System

Projects | Product Groups | Products | Resources

List Page Assistance

Define Basic Project Information

- Fields marked with an asterisk (*) are required.

*User Group:

*Request By Date: (yyyy-MM-dd)

*Customer Name (first): (last):

*email address:

Alternate POC Name (first): (last):

email address:

This alternate POC will also get production update e-mails as the project executes.



Defining the AOI

Projects

Product Groups

Products

Resources

List

Page Assistance

Define Project Area of Interest

- Use the map to specify the area of interest (AOI) for the Project.
- Click and drag the mouse to draw a box to specify the AOI, or enter the AOI's boundaries into the text fields.
- Click the 'Home' icon to reset the map.

46.8

115.8

139.2

30

Previous

Cancel

Save

Next

The AOI can be defined interactively with a rubber band interface, or by a latitude and longitude box



Establishing the products list



Environmental Data Cube Support System

Hello AFWA User One, ([profile](#)) [logout](#)

Projects

Product Groups

Products

Resources

List

Page Assistance

Select Product Groups

- Click 'Add' to select at least one Product Group required by the Project.
- Click 'Remove' to remove a Product Group from the Project.
- Click 'Details' to view the Product Group's detailed information.

Product Groups	Actions
One Semi-Automated Forces (OneSAF) add	Details Remove

Previous

Cancel

Save

Next



Establishing the products list

Product Groups

Select one or more Product Groups.

Filtering by Product Groups with value

Product Groups	Actions
AWSIM Weather Inputs	Add
CAF DMO Weather Scenario Content	Add
METAR and TAF messages	Add
METAR from ISH resource	Add
NWS style weather charts	Add
One Semi-Automated Forces (OneSAF)	Remove
RegionalImpacts-AOC	Add
Sat-Grib-CFSR	Add
Sea Height from wind speed	Add
Sfc Obs Data	Add
Significant Wave Height Charts	Add
TAWS for CFSR	Add

1 2

Done

Select Product Group

- Click 'Add' to select at
- Click 'Remove' to rem
- Click 'Details' to view

Product Groups

One Semi-Automate

[add](#)

Previous Cancel Save Next

Product groups (text, data, graphics) are selected from a list brought up by clicking *add*



Establishing the products list

Product Group Details

Product Group - One Semi-Automated Forces (OneSAF)

One Semi-Automated Forces (OneSAF)

User Groups

- AFWA_Training
- DoD
- Army
- OneSAF
- Testing
- AirForceTester

Products

Short Description	Type	Visual	Owner	Product Format
OneSAF Weather Product	Data	false	admin@localhost	OTHER
OneSAF Weather Data in CSV Format	Data	false	admin@localhost	OTHER

Actions

[Details](#) [Remove](#)

Done

Previous Cancel Save Next

Specific content for a selected product group can be reviewed by clicking *Details*



Establishing project dates

Projects

Product Groups

Products

Resources

List

Define Project Dates

- Enter the start and end dates for the project. All products will be time-stamped within this date range.
- If Historical Scenario is chosen, enter the reference dates if known. Otherwise leave them blank and provide scenario requirements in the subsequent pages.
- Fields marked with an asterisk (*) are required.

☒ Historical Scenario

*Project Start Date: 2014-01-27 (yyyy-MM-dd)

*Project End Date: 2014-01-28 (yyyy-MM-dd)

Reference Start Date: (yyyy-MM-dd)

Reference End Date: (yyyy-MM-dd)

☐ Live Scenario

Previous

Cancel

Save

Next

Project Dates refer to the *scenario* and all products will be rolled to these dates



Establishing project dates

Projects

Product Groups

Products

Resources

List

Page Assistance

Define Project Dates

- Enter the start and end dates for the project. All products will be time-stamped within this date range.
- If Historical Scenario is chosen, enter the reference dates if known. Otherwise leave them blank and provide scenario requirements in the subsequent pages.
- Fields marked with an asterisk (*) are required.

☒ Historical Scenario

*Project Start Date: 2014-01-27 (yyyy-MM-dd)

*Project End Date: 2014-01-28 (yyyy-MM-dd)

Reference Start Date: (yyyy-MM-dd)

Reference End Date: (yyyy-MM-dd)

☐ Live Scenario

Previous

Cancel

Save

Next

Reference Dates can be supplied if the user has a specific scenario in mind, or more often these dates are left blank to trigger a *scenario search*



Live scenarios

Projects

Product Groups

Products

Resources

List

Page Assistance

Define Project Dates

- Enter the start and end dates for the project. All products will be time-stamped within this date range.
- If Historical Scenario is chosen, enter the reference dates if known. Otherwise leave them blank and provide scenario requirements in the subsequent pages.
- Fields marked with an asterisk (*) are required.

☒ Historical Scenario

*Project Start Date: 2014-01-27 (yyyy-MM-dd)

*Project End Date: 2014-01-28 (yyyy-MM-dd)

Reference Start Date: (yyyy-MM-dd)

Reference End Date: (yyyy-MM-dd)

☐ Live Scenario

Previous

Cancel

Save

Next

A **Live Scenario** will run against a continuously updated resource, such as an AFWA JMBL resource.



Selecting resources

EDCSS displays resources that best meet requirements for the time, space, and products selected so far.

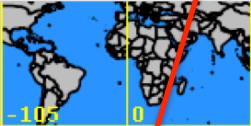
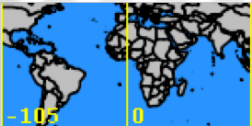
Details are available by clicking the resource name, and if coverage is less than 100% this will also indicate which products are not supported by this resource.

Projects Product Groups Products Resources

List

Select a Resource for this Project

- Select a Resource to support the Project.
- Click a Resource's name to view the Resource's details.
- Click an AOI map to see it in a larger window.

Name	Area of Interest	Date Range	Product Coverage
<input type="radio"/> WRF-MODEL-8km	 Resolution: 8 km	1997-01-01 - 2009-12-31 Resolution: 1 hours	80%
<input type="radio"/> CFRSR-GLOBAL	 Resolution: 0.5 deg	1997-01-01 - 2009-12-31 Resolution: 6 hours	100%

Previous Cancel Save Next



Resource details

Projects

Product Groups

Products

Resources


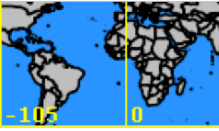
List

Select a Resource for this Project

Select a Resource to support the Project.

Click a Resource's name to view the Resource's details.

Click an AOI map to see it in a larger window.

Name	Area of Interest
<input type="radio"/> WRF-MODEL-8km	 Resolution: 8.0 km
<input type="radio"/> CFSR-GLOBAL	 Resolution: 0.5 deg

Previous

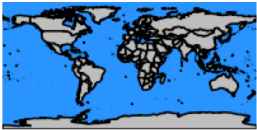
Cancel

Save

Next

Resource Network Details

Resource Network: CFSR-GLOBAL



North: 90.0, South: -90.0, East: 180.0, West: -180.0
Resolution: 0.5 deg

Temporal Extent (start/end): 1997-01-01 00:00Z - 2009-12-31 18:00Z
Increment: 6 hrs

Atmospheric Resource - CFSR Global Reanalysis

ResourceId : atmos/vis/cfsrPlus
Provider : AFWA
Resolution : 0.5 deg
Increment : 6 hrs
Temporal Segment(s):

- 1997-01-01 00:00Z - 2009-12-31 18:00Z

Search Resource - CFSR Global Reanalysis TimeSeries

ResourceId : atmos/vis/cfsrTSPPlus
Resolution : 0.5 deg
Increment : 6 hrs
Temporal Segment(s):

- 1997-01-01 00:00Z - 2009-12-31 18:00Z

Done



Specifying the scenario

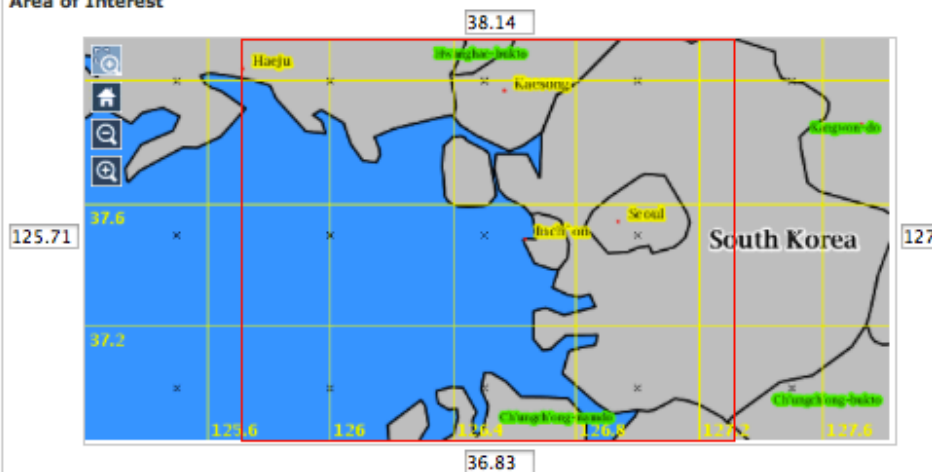
Scenario Specification

- A scenario search is performed over a small number of days, typically one month, for every year in the search date range that is supported by the Project's Resource.
- (Optional) Refine the scenario's search dates; by default, the entire month(s) encompassing the Project's dates and the full yearly extent of the Project's Resource is used.
- (Optional) Refine the scenario's area of interest to improve both the speed and accuracy of the scenario search. The maximum number of points to search is 50.
- Define criteria for at least one Operation/System or Environmental scenario.

Search Dates

Start Date: (yyyy-MM-dd)
End Date: (yyyy-MM-dd)

Area of Interest



The scenario can be specified in terms of rule-based impacts (e.g. red weather for Convoy Operations) or actual environmental criteria (e.g. ceiling < 1000 feet).

The scenario search should generally be made over a smaller area than the project, with as few grid points as possible in the subarea of interest.

*Specify Operation/System Impacts ([Add](#))

Click 'Add' to select an Operation or System.
After selecting an Operation or System, impacts may optionally be defined in 3 hour increments by clicking the 'Detail' link.

*Specify Environmental Criteria ([Add](#))

Click 'Add' to create an environment effect and add it to the scenario.
After creating an environment effect, individual effects may optionally be defined in 3 hour increments by clicking the 'Detail' link.



Specifying the scenario

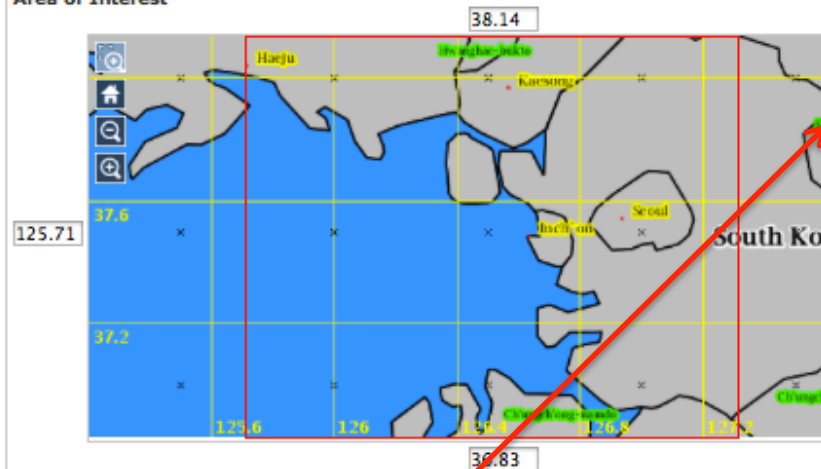
Scenario Specification

- A scenario search is performed over a small number of days, typically one month, for every year in the search date range that is supported by the Project's Resource.
- (Optional) Refine the scenario's search dates; by default, the entire month(s) encompassing the Project's dates and the full yearly extent of the Project's Resource is used.
- (Optional) Refine the scenario's area of interest to improve both the speed and accuracy of the scenario search. The maximum number of points to search is 50.
- Define criteria for at least one Operation/System or Environmental scenario.

Search Dates

Start Date: (yyyy-MM-dd)
End Date: (yyyy-MM-dd)

Area of Interest



*Specify Operation/System Impacts ([Add](#))

Click 'Add' to select an Operation or System.
After selecting an Operation or System, impacts may optionally be defined in 3 hour increments by clicking the 'Detail' link.

*Specify Environmental Criteria ([Add](#))

Click 'Add' to create an environment effect and add it to the scenario.
After creating an environment effect, individual effects may optionally be defined in 3 hour increments by clicking the 'Detail' link.

Operation/System Selection

Select one or more Operations or Systems.

Search:

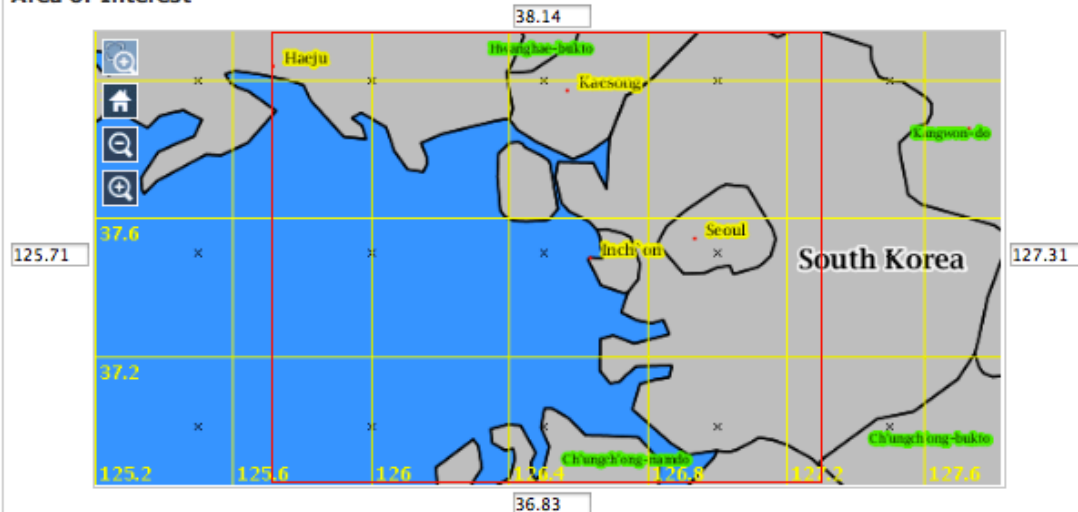
Short Description	Action
Amphibious Operations	Add
Ceiling Impacts	Add
Cloud Ceiling Impacts	Add
Cloud Cover Impacts	Add
Convy Operations	Add
Fixed Wind Targeting	Add
Fixed Wing Close Air Support	Add
Fixed Wing Takeoff and Landing	Add
Full Motion Video	Add

Done



Specifying the scenario

Area of Interest





*Specify Operation/System Impacts ([Add](#))



Click 'Add' to select an Operation or System.

After selecting an Operation or System, impacts may optionally be defined in 3 hour increments by clicking the 'Detail' link.

Fixed Wing Close Air Support ([remove](#))

01/28	01/29
	
Detail	Detail

Convy Operations ([remove](#))

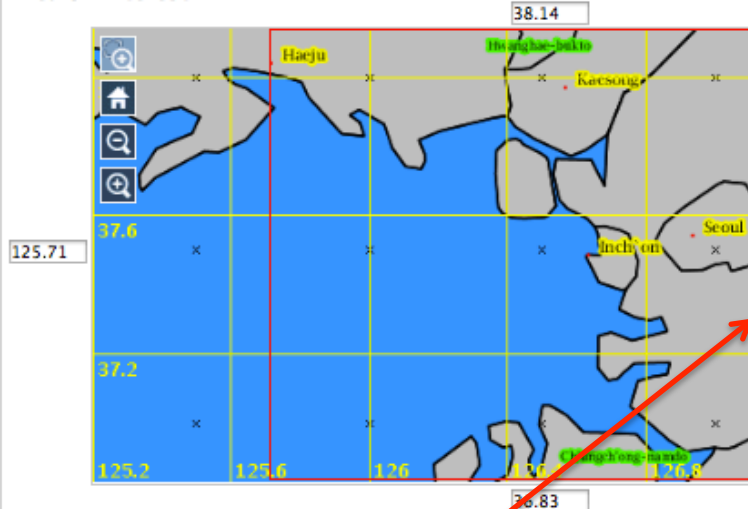
01/28	01/29
	
Detail	Detail

Impacts are specified by system, with green-yellow-red criteria defined by IWEDA or the user.



Specifying the scenario

Area of Interest



*Specify Operation/System Impacts (Add)

Click 'Add' to select an Operation or System.
After selecting an Operation or System, impacts may optionally be defined in 3 hour increments by

Fixed Wing Close Air Support ([remove](#))



Convy Operations ([remove](#))



System Impact Scenario Detail

CAS

Specify impact scenarios by 3-hr block.

Three Hourly Impacts

01/28 (UTC)	00	03	06	09	12	15	18	21
01/28 (Local)	09	12	15	18	21	00	03	06
	Red	Red	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow

Impact Rules

	Marginal	Unfavorable
LowCldCvr> 37.5% or MidCldCvr>37.5%		
LowCldCvr>62.5%		
Precip	Moderate	Freezing
Vis	<7000m	<2000m

Done

Impacts are specified by system, with green-yellow-red criteria defined by IWEDA or the user.

Criteria can be specified down to 3-hour increments, requesting, for example, Red Close Air Support in the morning, with yellow thereafter.



Reviewing search results

Review Search Results

- Review the requested scenario criteria against the actual, data-backed impacts for each set of reference dates.
- Click 'Next' and 'Previous' to cycle through scenario criteria charts for different reference dates.
- Click 'Details' to view the scenario break down of a Operation/System or Environmental criteria.
- Within Operations/Systems click any 3-hourly block to view the spatial impact graphic for that time.

Storyboard

Reference Dates: 2003-01-26 - 2003-01-27 [Previous](#) [Next](#)

Operations / Systems	1/28 (UTC)								1/29 (UTC)							
	0	3	6	9	12	15	18	21	0	3	6	9	12	15	18	21
Time (UTC)																
Time (Local): +9.0 hrs	9	12	15	18	21	0	3	6	9	12	15	18	21	0	3	6
Fixed Wing Close Air... (Requested)																
Details (Actual)	75%	75%	50%	50%	67%	67%	42%	42%	67%	67%	8%	8%	67%	67%		
Convy Operations (Requested)																
Details (Actual)																

[Download Impacts Charts](#)

No environmental rules previously specified.

Results are presented as *Requested* compared to *Actual* for your evaluation. The fuzzy nature of the EDCSS search will nearly always return some result.

[Previous](#) [Cancel](#) [Preview Products](#) [Build](#)



Reviewing search results

Review Search Results

- Review the requested scenario criteria against the actual, data-backed impact
- Click 'Next' and 'Previous' to cycle through scenario criteria charts for different
- Click 'Details' to view the scenario break down of a Operation/System or Env
- Within Operations/Systems click any 3-hourly block to view the spatial impact

Storyboard

Reference Dates: 2003-01-26 - 2003-01-27 [Previous](#) [Next](#)

Operations / Systems	1/28 (UTC)				
Time (UTC)	0	3	6	9	12
Time (Local): +9.0 hrs	9	12	15	18	21
Fixed Wing Close Air... (Requested)					
Details (Actual)	75%	75%	50%	50%	67%
Convy Operations (Requested)					
Details (Actual)					

[Download Impacts Charts](#)

No environmental rules previously specified.

Impact details show the time series of rules firing for within a specific system.

Detailed Impacts

Operations / Systems	1/28 (UTC)					1/29 (UTC)				
Time (UTC)	0	3	6	9	12	15	18	21	0	3
Time (Local): +9.0 hrs	9	12	15	18	21	0	3	6	9	12
Fixed Wing Close Air Support (Requested)										
(Actual)	75%	75%	50%	50%	67%	67%	42%	42%	67%	67%

Entities	1/28 (UTC)					1/29 (UTC)				
Time (UTC)	0	3	6	9	12	15	18	21	0	3
Time (Local): +9.0 hrs	9	12	15	18	21	0	3	6	9	12
CLOUDS-CAS										
PRECIP-CAS										
VISIBILITY-CAS	75%	75%	50%	50%	67%	67%	42%	42%	67%	67%
WINDS-CAS									42%	42%

- No Impact
- Marginal Impact
- Unfavorable Impact
- No Data Available

Impact Rules

	Marginal	Unfavorable
LowCldCvr > 37.5%	Unsupported F	
MidCldCvr > 37.5%		Unsupported F
LowCldCvr > 62.5%		Unsupported F
Precip	Moderate	Freezing
Vis	<7000m	<2000m
Winds	>25kt	>35kt



Reviewing search results

Review Search Results

- Review the requested scenario criteria against the actual, data-backed impacts for each set of reference dates.
- Click 'Next' and 'Previous' to cycle through scenario criteria charts for different reference dates.
- Click 'Details' to view the scenario break down of a Operation/System or Environmental criteria.
- Within Operations/Systems click any 3-hourly block to view the spatial impact graphic for that time.

Storyboard

Reference Dates: 2003-01-26 - 2003-01-27 [Previous](#) [Next](#)

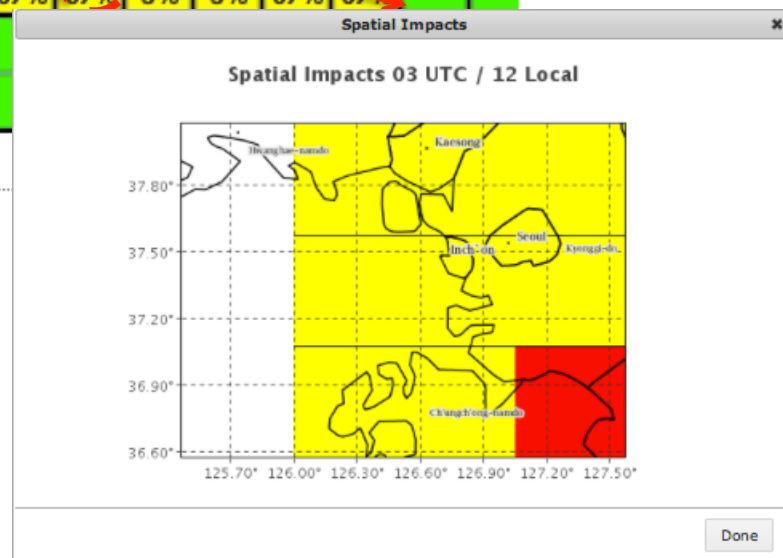
Operations / Systems	1/28 (UTC)								1/29 (UTC)							
Time (UTC)	0	3	6	9	12	15	18	21	0	3	6	9	12	15	18	21
Time (Local): +9.0 hrs	9	12	15	18	21	0	3	6	9	12	15	18	21	0	3	6
Fixed Wing Close Air... (Requested)																
Details (Actual)	75%	75%	50%	50%	67%	67%	42%	42%	67%	67%	8%	8%	67%	67%		
Convy Operations (Requested)																
Details (Actual)																

[Download Impacts Charts](#)

No environmental rules previously specified.

[Previous](#) [Cancel](#)

Spatial impacts show the geographic distribution by mission area or system.





Reviewing search results

Review Search Results

- Review the requested scenario criteria against the actual, data-backed impacts for each set of reference dates.
- Click 'Next' and 'Previous' to cycle through scenario criteria charts for different reference dates.
- Click 'Details' to view the scenario break down of a Operation/System or Environmental criteria.
- Within Operations/Systems click any 3-hourly block to view the spatial impact graphic for that time.

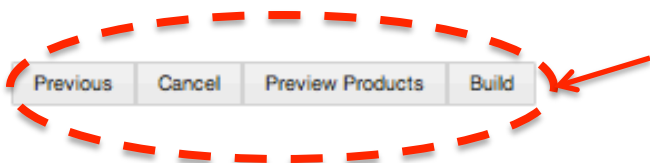
Storyboard

Reference Dates: 2003-01-26 - 2003-01-27 [Previous](#) [Next](#)

Operations / Systems	1/28 (UTC)								1/29 (UTC)							
Time (UTC)	0	3	6	9	12	15	18	21	0	3	6	9	12	15	18	21
Time (Local): +9.0 hrs	9	12	15	18	21	0	3	6	9	12	15	18	21	0	3	6
Fixed Wing Close Air... (Requested)																
Details (Actual)	75%	75%	50%	50%	67%	67%	42%	42%	67%	67%	8%	8%	67%	67%		
Convy Operations (Requested)																
Details (Actual)																

[Download Impacts Charts](#)

No environmental rules previously specified.



At this point you can choose to

1. Cancel, adjust criteria, and restart scenario search
2. Build preview products to ensure the scenario will meet all of your criteria
3. Accept this scenario and proceed with the full Build



Building preview products

EDCSS Environmental Data Cube Support System

Hello AFWA User One, ([profile](#)) [logout](#)

Projects Product Groups Products Resources

List

Preview Products Selection

- Select Preview Products.

Select the preview Products to build. Each Product will be built using the Project's AOI and Resource Network. Products that are not supported by the Resource Network are disabled.

- ☒ Spatial Impact Charts
- ☒ 850mb Weather Chart

Previous Cancel Build

Requesting preview products allows you to review the scenario in the large before proceeding with the full build.

The default preview products are set in your user profile, but can be tailored if desired prior to requesting a preview build.



Reviewing preview products

Preview Products

- Select a preview Product from the left panel by clicking the Product's description.
- Click 'Play', 'Pause', '<<', or '>>' to control the display of imagery for a sequence of times.

Reference Dates: **2003-01-26 - 2003-01-27**

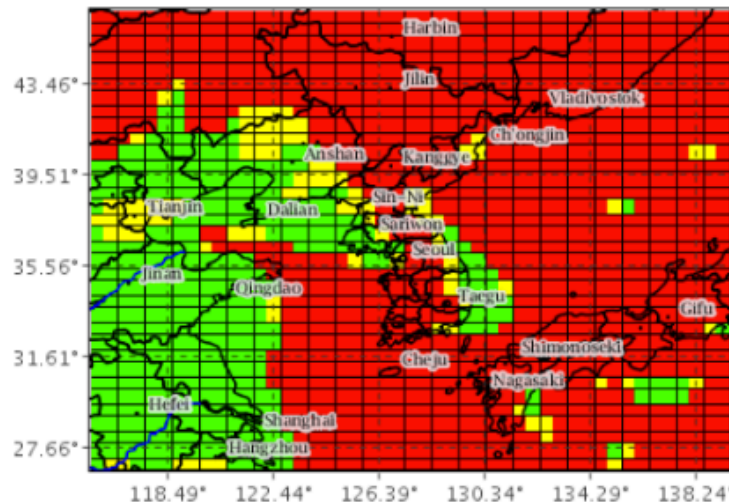
Products
Spatial Impact Charts - Convective Operations
850mb Weather Chart
Spatial Impact Charts - Fixed Wing Close Air Support

[Download Products](#)

<< Play Pause >>

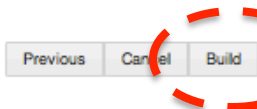
Spatial Impact Charts - Fixed Wing Close Air Support: 201

Spatial Impacts 18 UTC / 03 Local



Product preview allows you to review the scenario in the large before proceeding with the full build.

If the scenario appears correct and complete, the next step is *Build*





Customizing the product build

Pre-Build Review

- Pre-Build Review.

Please confirm that you would like to start production for all Products associated with this Project. The production process time will vary depending on the Products requested. An email will be sent once production is complete, or you can login to the web site to check the status of your Project.

Product Groups

METAR and TAF messages

Product	Increment (hours)	Projection	Resolution (deg)	Include
Standard WMO METAR reports	1 <input type="text"/>	Native <input type="text"/>	1.0 <input type="text"/>	<input checked="" type="checkbox"/>
Standard TAF forecast messages	6 <input type="text"/>	Native <input type="text"/>	1.0 <input type="text"/>	<input checked="" type="checkbox"/>

Weather Graphics

Product	Increment (hours)	Projection	Resolution (deg)	Include
300mb Weather Chart	6 <input type="text"/>	Geodetic <input type="text"/>	1.0 <input type="text"/>	<input checked="" type="checkbox"/>
500mb Weather Chart	6 <input type="text"/>	Geodetic <input type="text"/>	1.0 <input type="text"/>	<input checked="" type="checkbox"/>
700mb Weather Chart	6 <input type="text"/>	Geodetic <input type="text"/>	1.0 <input type="text"/>	<input checked="" type="checkbox"/>
850mb Weather Chart	6 <input type="text"/>	Geodetic <input type="text"/>	1.0 <input type="text"/>	<input checked="" type="checkbox"/>
925mb Weather Chart	6 <input type="text"/>	Geodetic <input type="text"/>	1.0 <input type="text"/>	<input checked="" type="checkbox"/>
Total Cloud Cover Chart	6 <input type="text"/>	Geodetic <input type="text"/>	1.0 <input type="text"/>	<input checked="" type="checkbox"/>
Surface Weather Chart	6 <input type="text"/>	Geodetic <input type="text"/>	1.0 <input type="text"/>	<input checked="" type="checkbox"/>
Surface Precip Weather Chart	6 <input type="text"/>	Geodetic <input type="text"/>	1.0 <input type="text"/>	<input checked="" type="checkbox"/>

- ☒ Generate Data Analysis Data
- ☒ Generate Impacts Products

Prior to the full build, you can further customize the product list for time and resolution, and optionally omit products in a product group for this build.



Building the full project

List Copy Delete

Project - AFWA_Demo

Request By Date: 2014-01-05
Project User Group: AFWA_Training
Customer: Training, AFWA User One ([afwauser1@localhost](#))

Project Description: Demonstration project for AFWA training

Area of Interest



North: 46.8, South: 30.0, East: 139.2, West: 115.8

Scenario

Project Dates (start/end): 2014-01-28 - 2014-01-29
Reference Dates (start/end): 2003-01-26 - 2003-01-27
Scenario Area Of Interest: North: 38.14, South: 36.83, East: 127.31, West: 125.71

Operation/System	01/28	01/29
Fixed Wing Close Air Support		
Convy Operations		

Resource

Resource Network: [CFSR-GLOBAL](#)

Product Groups

Name	Short Description
▼ ONESAF	One Semi-Automated Forces
ONESAF	OneSAF Weather Product
OneSAF_CSV	OneSAF Weather Data in CSV

Archive Review

Page Assistance

Status: Complete

The build process can take minutes to hours depending upon complexity of the products.

The user does not need to maintain a session for the build but will receive an email upon completion.

From [ine-no-reply@localhost](#) <[ine-no-reply@localhost.aer.com](#)> ☆

Subject **Products for AFWA_Demo have been built successfully**

To Me <[kpfeiffe@aer.com](#)> ☆, Me <[kpfeiffe@aer.com](#)> ☆

All requested products for AFWA_Demo have been assembled.

Reply Forward Archive Junk Delete

12/14/13 10:55 AM

Other Actions



EDCSS Project Review Site



Environmental Data Cube Support System

[Home](#) [Scenario Overview](#) [Product Groups](#) [Downloads](#)

UNCLASSIFIED

AFWA_Demo_Full - AFWA demo with graphics, METAR

Exercise Date: January 28, 2014

Scenario Dates

January, 2014						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	
Select date						



AFWA User One Training
(afwauser1@localhost)

METAR and TAF messages

Product	00	06	12	18	All
Standard WMO METAR reports					

Scenario Charts

Product	00	06	12	18	All
Spatial Impact Charts Convoy Operations					
Spatial Impact Charts Fixed Wing Close Air Support					

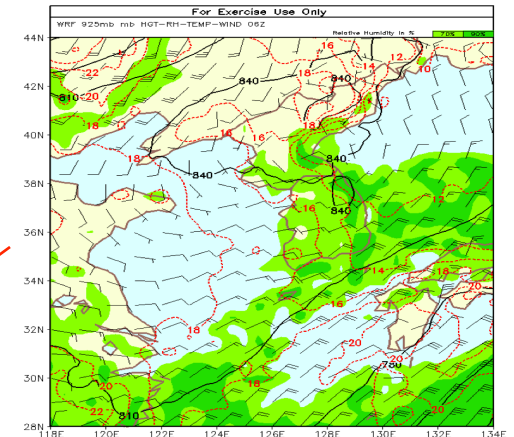
Weather Graphics

Product	00	06	12	18	All
300mb Weather Chart					
500mb Weather Chart					
700mb Weather Chart					
850mb Weather Chart					
925mb Weather Chart					
Surface Precip Weather Chart					
Surface Weather Chart					
Total Cloud Cover Chart					

Product Group Download

Product Group	00	06	12	18	All
METAR and TAF messages					
One Semi-Automated Forces (OneSAF)					
Scenario Charts					
Weather Graphics					
Download All Groups					

METAR RJOK 280600Z 0905366115KT 9999 RA OVC10230 538/534 Q10203 RMK SLP102024288=
METAR RJOM 280600Z 0606095239KT 9999 RA OVC17060 536/532 Q10195 RMK SLP101936912=
METAR RJOO 280600Z 0702378803KT 9999 OVC147690 533/529 Q10224 RMK SLP102225192=
METAR RJOP 280600Z 0906118515KT 9999 OVC38580 543/530 Q10215 RMK SLP102143088=
METAR RJOR 280600Z 1003458519KT 9999 RA OVC6140 529/527 Q10222 RMK SLP102209088=
METAR RJOS 280600Z 0906118515KT 9999 OVC38580 543/530 Q10215 RMK SLP102143088=
METAR RJOT 280600Z 0804725519KT 9999 RA OVC14520 OVC14520 536/528 Q10206 RMK SLP102054624=
METAR RJOW 280600Z 0803389343KT 9999 RA OVC9150 OVC9150 528/528 Q10186 RMK SLP101852320=
METAR RJQY 280600Z 0802634391KT 9999 OVC34110 537/526 Q10223 RMK SLP102219472=
METAR RJQZ 280600Z 1009794674KT 9999 RA OVC850 OVC850 539/536 Q10174 RMK SLP101725032=
METAR RJSD 280600Z 0806079748KT 9999 OVC377570 531/521 Q10247 RMK SLP102464768=
METAR RKJB 280600Z 0404442380KT 9999 RA OVC3620 OVC480070 531/528 Q10155 RMK SLP101535112=
METAR RKJL 280600Z 040535530KT 9999 RA OVC9080 OVC474590 529/527 Q10157 RMK SLP101559824=
METAR RKJK 280600Z 0704098260KT 9999 RA OVC12400 OVC12400 531/527 Q10183 RMK SLP101816656=
METAR RKJM 280600Z 0404442380KT 9999 RA OVC3620 OVC480070 531/528 Q10155 RMK SLP101535112=
METAR RKJU 280600Z 0804134124KT 9999 RA OVC10860 OVC10860 528/526 Q10187 RMK SLP101858544=
METAR RKLY 280600Z 02011935522KT 9999 RA OVC10440 OVC475670 530/529 Q10164 RMK SLP101625952=
METAR RKNK 280600Z 0504763135KT 9999 TS RA OVC3050 OVC3050 524/524 Q10220 RMK SLP102185720=
METAR RKNL 280600Z 12012017868KT 9999 TS RA OVC11370 OVC11370 532/527 Q10225 RMK SLP102242192=
METAR RKNM 280600Z 12012017868KT 9999 TS RA OVC11370 OVC11370 532/527 Q10225 RMK SLP102242192=
METAR RKNH 280600Z 0603401293KT 9999 TS RA OVC8900 OVC8900 526/525 Q10215 RMK SLP102144760=
METAR RKNJ 280600Z 12012017868KT 9999 TS RA OVC11370 OVC11370 532/527 Q10225 RMK SLP102242192=
METAR RKNQ 280600Z 0505885369KT 9999 TS RA OVC7320 OVC7320 528/525 Q10225 RMK SLP102244392=



Products available
for download



Getting Help

The screenshot displays the EDCSS Support System interface. At the top, the EDCSS logo is on the left, and the text 'Environmental Data Cube Support System' is in the center. On the right, a user greeting reads 'Hello AFWA User One, ([profile](#)) [logout](#)'. The main navigation bar includes 'Projects' and 'Product' tabs. Below 'Projects', there is a 'Create' button and a list of instructions: 'Click 'Create' to', 'Click on a Proje', and 'Click 'Show All F'. A 'Show all Projects in' section follows, with a 'Name' dropdown menu and a link to 'OneSAF Exampl'. A 'Project List Assistance' pop-up window is open, containing the following text: 'on-demand' resources that execute models. **Scenario** a scenario can be specified for searching historical data. EDCSS will search archives to find historical conditions that best match the request and provide mechanisms to review impacts before the search results are accepted. The following components make up the specification. **Search Dates** the historical dates to search. **Area of Interest** the region of interest. **Operation/System Impacts** a timeline of impacts to specific Operations/Systems. At the bottom of the pop-up, an 'Ask for Assistance' button is circled in red. To the right of the pop-up, a 'Page Assistance' button is also circled in red, with a red arrow pointing to it from the 'Ask for Assistance' button. Below the pop-up, a 'Done' button is visible. At the bottom of the page, a text box states: 'Pop-up windows include a link to *Ask for Assistance*, or you can e-mail edchelp@aer.com'.

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